

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 9

Complete if Known

Application Number	10/821, 930
Filing Date	April 12, 2004
First Named Inventor	Dario Neri
Group Art Unit	1645
Examiner Name	Virginia Allen Portner
Attorney Docket Number	ELLIS-0002-P02-C01

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Dated of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	A1	4 341 223	A	Lutz, Lauralee A	07-27-1982
	A2	5 120 830	A	SANTORO et al.	06-09-1992
	A3	5 534 254		HUSTON et al.	07-09-1996
	A4	5 576 195	A	ROBINSON et al.	11-19-1996
	A5	5 583 203	A	HEMLER et al.	12-10-1996
	A6	RE 35 500		RHODES, Buck A.	05-06-1997
	A7	5 876 691		CHESTER et al.	03-02-1999
	A8	6 083 485		LICHA et al.	07-04-2000
	A9	6 171 578	B1	DEAN et al.	01-09-2001
	A10	6 296 831		WELLER et al.	10-02-2001
	A11	6 342 326		MILTON	01-29-2002
	A12	6 342 219	B1	THORPE et al.	01-29-2002
	A13	6 630 570		LICHA et al.	10-07-2003
	A14	7 129 254		BERGER et al.	10-31-2006
	A15	7 335 775		BERGER et al.	02-26-2008

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Paragraphs or Relevant Figures Appear	† ¹
		Office ³	Number ⁴				
	B1	EP	0396612	A1	Int. Genetic Eng.	11-14-1990	
	B2	WO	94 09817	A	City of Hope	05-11-1994	
	B3	WO	95 32001	A1	Molteni & C Dei Fratelli Alitt	11-30-1995	
	B4	EP	0719790	A2	Nihon Mediphysics Co. Ltd.	07-03-1996	
	B5	EP	0760679	A1	Molteni & C Dei Fratelli Alitt	03-12-1997	B3

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B6	WO	99 51265	A1	Univ. Oklahoma State	10-14-1999		
B7	WO	99 58570	A2	Eidgenoess Tech Hoch.	11-18-1999		
B8	WO	01 23005	A1	Schering AG	04-05-2001		B15
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B14	WO	01 023005	R	Schering AG	11-13-2000		
B15	AU	779026	B2	Schering AG	01-06-2005		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	ALBERTS et al., "Cells Can Be Redesigned to Produce Proteins of Any Desired Sequence." (<i>Molecular Biology of the Cell</i>), 1984, 323-324, 3.	
	C2	ARGRAVES et al., "Amino Acid Sequence of the Human Fibronectin Receptor." (<i>Journal of Cell Biology</i>), 1987, 1183-1190, 105.	
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	C5	BERNDORFF et al., "Imaging of tumor angiogenesis using 99mTc-labeled human recombinant anti-ED-B fibronectin antibody fragments." (<i>Journal of Nuclear Medicine</i>), Oct. 2006, 1707-1716, 47:10.	
	C6	BERNDORFF et al., "Radioimmunotherapy of Solid Tumors by Targeting Extra Domain B Fibronectin: Identification of Best-Suited Radioimmunoconjugate." (<i>Clinical Cancer Research</i>), 2005, 7053-7063, 11: Suppl. 19.	
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	C12	CHEN et al., "Adhesion Mediated by Fibronectin's Alternatively Spliced Edb (EIIIB) and its neighboring type III repeats." (<i>Exp. Cell Res.</i>), 1996-02-25, 9-19, 223:1.	
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C14	CHIRIVI et al., "Angiogenesis induced by alternatively spliced oncofetal fibronectin binding to endothelial cell integrin $\alpha 3 \beta 1$." (<i>American Association for Cancer Research</i>), 2001. Abstract #14.	
C15	COLMAN et al., "Effects of amino acid sequence changes on antibody-antigen interactions." (<i>Research in Immunology</i>), 1994, 33-36, 145.	
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C24	GLUKHOVA et al., "Expression of fibronectin variants in vascular and visceral smooth muscle cells in development." (<i>Developmental Biology</i>), Sep. 1990, 193-202, 141:1.	
C25	GOEL et al., "99m Tc-Labeled Divalent and Tetravalent CC49 Single-Chain Fv's: Novel Imaging Agents for Rapid in vivo Localization of Human Colon Carcinoma." (<i>Journal of Nuclear Medicine</i>), 2001-10, 1519-1527, 42.	
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Group Art Unit	1645
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C28	HALIN et al., "Antibody-based targeting of Angiogenesis Mediates the Infarction of Solid Tumors in Mice." (<i>Cancer Research</i>), 2001-01-15, 711-716, 61.	
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C35	KIM et al., "Regulation of angiogenesis in vivo by ligation of integrin $\alpha 5 \beta 1$ with the central cell-binding domain of fibronectin." (<i>Am. J. Pathol.</i>), April 2000, 1345-1362, 156:4.	
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C43	MARTY et al., "Production of functionalized single-chain Fv antibody fragments binding to the ED-B domain of the B-isoform of fibronectin in <i>Pichia pastoris</i> ." (<i>Protein Expr Purif.</i>) Feb. 2001, 156-164, 21:1.
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C50	Office Action of Final Rejection filed on April 21, 2004 issued in USSN 10/321,558
C51	Office Action of Final Rejection issued on December 5, 2008 issued in USSN 10/321,558
C52	Office Action of Final Rejection filed on June 21, 2006 issued in USSN 10/336,041
C53	Office Action of Final Rejection filed on May 15, 2009 issued in USSN 11/637,810
C54	Office Action of Final Rejection filed on November 13, 2007 issued in USSN 10/321,558
C55	Office Action of Final Rejection filed on November 14, 2007 issued in USSN 10/336,041
C56	Office Action of Final Rejection filed on November 27, 2009 issued in USSN 10/336,041
C57	Office Action of Final Rejection filed on October 18, 2006 issued in USSN 10/088,866
C58	Office Action of Final Rejection filed on October 31, 2007 issued in USSN 10/966,097
C59	Office Action of Final Rejection filed on September 1, 2005 issued in USSN 10/088,866
C60	Office Action of Final Rejection filed on September 12, 2008 issued in USSN 10/088,866

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C63	Office Action of Non-Final Rejection filed on December 12, 2007 issued in USSN 11/105,475	
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C65	Office Action of Non-Final Rejection filed on February 1, 2006 issued in USSN 10/088,866	
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C70	Office Action of Non-Final Rejection filed on June 25, 2004 issued in USSN 10/321,558	
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C74	Office Action of Non-Final Rejection filed on March 5, 2007 issued in USSN 10/336,041	
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Application Number	10/821, 930
Filing Date	April 12, 2004
First Named Inventor	Dario Neri
Group Art Unit	1645
Examiner Name	Virginia Allen Portner
Attorney Docket Number	ELLIS-0002-P02-C01

C81	POON et al., "Laser-Induced Fluorescence: Experimental Intraoperative Delineation of Tumor Resection Margins." (<i>J. Neurosurgery</i>), 1992, 679-686, 76:4.	
C82	RUDIKOFF et al., "Single amino acid substitution altering antigen-binding specificity." (<i>Proc. Natl. Acad. Sci. USA</i>), March 1982, 1979-1983, 79.	
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C84	Swiss-Prot accession number A2KBB9 dated 2007-02-20, Anti-ED-B scFv antibody, from PINI et al. "Design and use of a phage display library." (<i>Journal Biol. Chem.</i>) see: EMBL; AJ006111; CAA06862.1; ; mRNA.	
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C89	TAIT et al., "Development and Characterization of Annexin V Mutants with Endogenous Chelation Sites for Tc." (<i>Bioconjugate Chem.</i>), 2000, 918-925, 11.	
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C93	U.S. Patent Application No. 10/321,558 filed December 18, 2002 and published September 18, 2003 under Publication No. US-2003-0176663-A1.	
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C95	U.S. Patent Application No. 10/937,882 filed September 10, 2004 and published on April 7, 2005 under Publication No. US-2005-0074401-A1.	
C96	U.S. Patent Application No. 10/966,097 filed October 18, 2004 and published on May 26, 2005 under Publication No. US-2005-0112690-A1.	
Examiner Signature		Date Considered

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First Named Inventor	Dario Neri
Group Art Unit	1645
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Attorney Docket Number	ELLIS-0002-P02-C01

C97	U.S. Patent Application No. 11/105,475 filed April 14, 2005 and published on October 6, 2005 under Publication No. US-2005-0221434-A1.	
C98	U.S. Patent Application No. 11/249,296 filed October 14, 2005 and published on June 1, 2006 under Publication No. US-2006-0115428-A1.	
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C103	WEIR et al., "An Immunoglobulin G1 Monoclonal Antibody Highly Specific to the Wall of Cryptosporidium Oocysts." (<i>Clinical and Diagnostic Laboratory Immunology</i>), Sept. 2000, 745-750, 7:5.	
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C105	WINKLER et al., "Changing the Antigen Binding Specificity by Single Point Mutations of an Anti-p24 (HIV-1) Antibody." (<i>J. Immun.</i>), 2000, 4505-4514, 265.	
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C109	ZHANG et al., "Non-invasive imaging of atherosclerotic plaque macrophage in a rabbit model with F-18 FDG PET: a histopathological correlation." (<i>BMC Nuclear Medicine</i>), 2006, 1-7, 25.	

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